

Ryan

CRF Errors Corrected by the STIC System Branch

1641
1/10/2000

Serial Number: 09/147,036

CRF Processing Date :
Edited by:
Verified by: AC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☒ Deleted extra, invalid, headings used by an applicant, specifically:
(A) NAME:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 17:00:38

INPUT SET: S34418.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Maurer, Jochen
6 Jose, Joachim
7 Meyer, Thomas F.
8
9 (ii) TITLE OF INVENTION: Export Systems for recombinant Proteins
10
11 (iii) NUMBER OF SEQUENCES: 41
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP
15 (B) STREET: 655 Fifteenth St., N.W., Suite 300, G St. Lobby
16 (C) CITY: Washington
17 (D) STATE: DC
18 (E) COUNTRY: USA
19 (F) ZIP: 20005-5701
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER: 09/147,036
29 (B) FILING DATE: 15-DEC-1998
30 (C) CLASSIFICATION:
31
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER: PCT/EP96/01130
34 (B) FILING DATE: 15-MAR-1996
35
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Berman, Richard J.
38 (B) REGISTRATION NUMBER: 39,107
39 (C) REFERENCE/DOCKET NUMBER: 564-8019
40
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: 202-638-5000
43 (B) TELEFAX: 202-638-4808
44
45
46 (2) INFORMATION FOR SEQ ID NO: 1:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 17:00:38

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48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 36 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
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57
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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60 TGTAACACGA CGGCCAGTAT CACGAGGCC TTTCTG 36
61
62 (2) INFORMATION FOR SEQ ID NO: 2:
63
64 (i) SEQUENCE CHARACTERISTICS:
65 (A) LENGTH: 27 base pairs
66 (B) TYPE: nucleic acid
67 (C) STRANDEDNESS: single
68 (D) TOPOLOGY: linear
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71
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73
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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76 GGAAGATCTG CCTCAGAAAT GAGGGCC 27
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78 (2) INFORMATION FOR SEQ ID NO: 3:
79
80 (i) SEQUENCE CHARACTERISTICS:
81 (A) LENGTH: 30 base pairs
82 (B) TYPE: nucleic acid
83 (C) STRANDEDNESS: single
84 (D) TOPOLOGY: linear
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90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
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97 (A) LENGTH: 30 base pairs
98 (B) TYPE: nucleic acid
99 (C) STRANDEDNESS: single

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 17:00:39

INPUT SET: S34418.raw

100 (D) TOPOLOGY: linear
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106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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113 (A) LENGTH: 45 base pairs
114 (B) TYPE: nucleic acid
115 (C) STRANDEDNESS: single
116 (D) TOPOLOGY: linear
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122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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126 (2) INFORMATION FOR SEQ ID NO: 6:
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129 (A) LENGTH: 852 base pairs
130 (B) TYPE: nucleic acid
131 (C) STRANDEDNESS: both
132 (D) TOPOLOGY: linear
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136 (ix) FEATURE:
137 (A) NAME/KEY: CDS
138 (B) LOCATION:1..852
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147 AAT GAC GGG CAA AAT AAA ACA ACA ACC AAT CAG TTT ATC AAT CAG CTC 96
148 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu
149 20 25 30
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151 GGG GGG GAT ATT TAT AAA TTC CAT GCT GAA CAA CTG GGT GAT TTT ACC 144
152 Gly Gly Asp Ile Tyr Lys Phe His Ala Glu Gln Leu Gly Asp Phe Thr

RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000

TIME: 17:00:39

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157	50	55	60	
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160	Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val			
161	65	70	75	80
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163	GGG GTA TAC GGT ACG TGG TAT CAG AAT GGG GAA AAT GCA ACA GGG CTC			288
164	Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu			
165		85	90	95
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167	TTT GCT GAA ACT TGG ATG CAA TAT AAC TGG TTT AAT GCA TCA GTG AAA			336
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173	115	120	125	
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176	Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro			
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184	Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val			
185	165	170	175	
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188	Val Gln Gly Ala Gly Lys Asn Asn Ile Gln Thr Lys Ala Gly Ile Arg			
189	180	185	190	
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192	Ala Ser Trp Lys Val Lys Ser Thr Leu Asp Lys Asp Thr Gly Arg Arg			
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204	Gln Gly Glu Ile Lys Thr Gly Ile Glu Gly Val Ile Thr Gln Asn Leu			
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RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000
TIME: 17:00:39

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216   (2) INFORMATION FOR SEQ ID NO: 7:
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218       (i) SEQUENCE CHARACTERISTICS:
219           (A) LENGTH: 284 amino acids
220           (B) TYPE: amino acid
221           (D) TOPOLOGY: linear
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223       (ii) MOLECULE TYPE: protein
224       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
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232   Gly Gly Asp Ile Tyr Lys Phe His Ala Glu Gln Leu Gly Asp Phe Thr
233               35               40               45
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235   Leu Gly Ile Met Gly Gly Tyr Ala Asn Ala Lys Gly Lys Thr Ile Asn
236     50               55               60
237
238   Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val
239     65               70               75               80
240
241   Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu
242               85               90               95
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244   Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys
245               100              105              110
246
247   Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala
248               115               120              125
249
250   Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro
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253   Glu Gly Ile Thr Gly Glu Phe Trp Leu Gln Pro His Leu Gln Ala Val
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256   Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val
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258

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PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/147,036

DATE: 01/11/2000
TIME: 17:00:40

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Line

Error

Original Text

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 01:14:30

INPUT SET: S34418.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: ↑
6 ~~(A) NAME:~~ Maurer, Jochen
7 Jose, Joachim
8 Meyer, Thomas F.
9
10 (ii) TITLE OF INVENTION: Export Systems for recombinant Proteins
11
12 (iii) NUMBER OF SEQUENCES: 41
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP
16 (B) STREET: 655 Fifteenth St., N.W., Suite 300, G St. Lobby
17 (C) CITY: Washington
18 (D) STATE: DC
19 (E) COUNTRY: USA
20 (F) ZIP: 20005-5701
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 09/147,036
30 (B) FILING DATE: 15-DEC-1998
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: PCT/EP96/01130
35 (B) FILING DATE: 15-MAR-1996
36
37 (viii) ATTORNEY/AGENT INFORMATION:
38 (A) NAME: Berman, Richard J.
39 (B) REGISTRATION NUMBER: 39,107
40 (C) REFERENCE/DOCKET NUMBER: 564-8019
41
42 (ix) TELECOMMUNICATION INFORMATION:
43 (A) TELEPHONE: 202-638-5000
44 (B) TELEFAX: 202-638-4808
45
46

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 01:14:30

INPUT SET: S34418.raw

47 (2) INFORMATION FOR SEQ ID NO: 1:
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49 (i) SEQUENCE CHARACTERISTICS:
50 (A) LENGTH: 36 base pairs
51 (B) TYPE: nucleic acid
52 (C) STRANDEDNESS: single
53 (D) TOPOLOGY: linear
54
55
56
57
58
59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
60
61 TGTAAACGA CGCCAGTAT CACGAGGCC TTTTCGT 36
62
63 (2) INFORMATION FOR SEQ ID NO: 2:
64
65 (i) SEQUENCE CHARACTERISTICS:
66 (A) LENGTH: 27 base pairs
67 (B) TYPE: nucleic acid
68 (C) STRANDEDNESS: single
69 (D) TOPOLOGY: linear
70
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72
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74
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
76
77 GGAAGATCTG CCTCAGAAAT GAGGGCC 27
78
79 (2) INFORMATION FOR SEQ ID NO: 3:
80
81 (i) SEQUENCE CHARACTERISTICS:
82 (A) LENGTH: 30 base pairs
83 (B) TYPE: nucleic acid
84 (C) STRANDEDNESS: single
85 (D) TOPOLOGY: linear
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91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
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93 CATGGTACCA GCGTTTTAT TATTCCTAC 30
94
95 (2) INFORMATION FOR SEQ ID NO: 4:
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97 (i) SEQUENCE CHARACTERISTICS:
98 (A) LENGTH: 30 base pairs
99 (B) TYPE: nucleic acid

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,036DATE: 01/11/2000
TIME: 01:14:30

INPUT SET: S34418.raw

100 (C) STRANDEDNESS: single
101 (D) TOPOLOGY: linear
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107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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109 CGGGGTACCC TTAATCCTAC AAAAGAAAGT 30
110
111 (2) INFORMATION FOR SEQ ID NO: 5:
112
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 45 base pairs
115 (B) TYPE: nucleic acid
116 (C) STRANDEDNESS: single
117 (D) TOPOLOGY: linear
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123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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125 AAGGGTACCT TTGAAATACT CCGGAGTAAT ATTTTGGAGG TGTTC 45
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127 (2) INFORMATION FOR SEQ ID NO: 6:
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129 (i) SEQUENCE CHARACTERISTICS:
130 (A) LENGTH: 852 base pairs
131 (B) TYPE: nucleic acid
132 (C) STRANDEDNESS: both
133 (D) TOPOLOGY: linear
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137 (ix) FEATURE:
138 (A) NAME/KEY: CDS
139 (B) LOCATION:1..852
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142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
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144 GCA TCC GTG TGG ATG AAG ATC ACT GGA GGA ATA AGC TCT GGT AAG CTT 48
145 Ala Ser Val Trp Met Lys Ile Thr Gly Gly Ile Ser Ser Gly Lys Leu
146 1 5 10 15
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148 AAT GAC GGG CAA AAT AAA ACA ACA ACC AAT CAG TTT ATC AAT CAG CTC 96
149 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu
150 20 25 30
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152 GGG GGG GAT ATT TAT AAA TTC CAT GCT GAA CAA CTG GGT GAT TTT ACC 144

RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000
TIME: 01:14:31

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161	Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val	
162	65 70 75 80	
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164	GGG GTA TAC GGT ACG TGG TAT CAG AAT GGG GAA AAT GCA ACA GGG CTC	288
165	Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu	
166	85 90 95	
167		
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169	Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys	
170	100 105 110	
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173	Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala	
174	115 120 125	
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177	Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro	
178	130 135 140	
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182	145 150 155 160	
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186	165 170 175	
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188	GTG CAG GGA GCA GGG AAA AAT AAT ATT CAG ACA AAA GCA GGT ATT CGT	576
189	Val Gln Gly Ala Gly Lys Asn Asn Ile Gln Thr Lys Ala Gly Ile Arg	
190	180 185 190	
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205	Gln Gly Glu Ile Lys Thr Gly Ile Glu Gly Val Ile Thr Gln Asn Leu	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000
TIME: 01:14:31

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210                260                265                270
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212 GCC ATC TCC GGA GCA CTG GGG ATA AAA TAC AGC TTC      852
213 Ala Ile Ser Gly Ala Leu Gly Ile Lys Tyr Ser Phe
214                275                280
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217 (2) INFORMATION FOR SEQ ID NO: 7:
218
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 284 amino acids
221 (B) TYPE: amino acid
222 (D) TOPOLOGY: linear
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224 (ii) MOLECULE TYPE: protein
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
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227 Ala Ser Val Trp Met Lys Ile Thr Gly Gly Ile Ser Ser Gly Lys Leu
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230 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu
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233 Gly Gly Asp Ile Tyr Lys Phe His Ala Glu Gln Leu Gly Asp Phe Thr
234 35 40 45
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236 Leu Gly Ile Met Gly Gly Tyr Ala Asn Ala Lys Gly Lys Thr Ile Asn
237 50 55 60
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239 Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val
240 65 70 75 80
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242 Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu
243 85 90 95
244
245 Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys
246 100 105 110
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248 Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala
249 115 120 125
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251 Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro
252 130 135 140
253
254 Glu Gly Ile Thr Gly Glu Phe Trp Leu Gln Pro His Leu Gln Ala Val
255 145 150 155 160
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257 Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val
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PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/147,036

DATE: 01/11/2000
TIME: 01:14:31

INPUT SET: S34418.raw

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: Maurer, Jochen